

Date: Mon, 4 Oct 93 04:30:13 PDT  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V93 #63  
To: Ham-Digital

Ham-Digital Digest                      Mon, 4 Oct 93                      Volume 93 : Issue    63

Today's Topics:

                    AA4RE BBS beta version 2.1K  
                    FTP source for JNOS  
                    KPC-3 and HTX-202  
                    Looking for PCMICA radio (2 msgs)  
                    MacTCP radio driver?  
                    Memphis Hamfest & Delta Division Convention  
                    Packet Monitoring  
                    PG/PB Archive Site?  
                    Soundblaster (tm) for multi-mode digital communications  
                    WWV clock wanted

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 3 Oct 93 17:29:11 GMT  
From: almaden.ibm.com@uunet.uu.net  
Subject: AA4RE BBS beta version 2.1K  
To: ham-digital@ucsd.edu

AA4RE Beta Version 2.1K is now available. You can FTP it from  
kilroy.jpl.nasa.gov. It will be uploaded to the WA6RDH LLBBS later  
today.

Roy, AA4RE

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Date: Sun, 03 Oct 93 19:16:06 -0400  
From: psinnntp!wlnnntp.psi.com!usenet@uunet.uu.net  
Subject: FTP source for JNOS  
To: ham-digital@ucsd.edu

>DATE: Thu, 30 Sep 1993 18:26:04 -0600  
>FROM: Burt Kaufman <Burt.Kaufman@f40.n382.z1.fidonet.org>  
>  
> -=> Quoting "seth M. Dworken" to All <=-  
>  
> >Can anybody point me to a site that has JNOS version 1.08c available for  
> >anonymous FTP?  
>  
> "MD> Go right to the "source" -- the host is wg7j.ece.orst.edu -- and I  
> "MD> believe the directory names are the version numbers. You'll have to  
> "MD> check that...  
>  
> >If possible, simple instructions on how to initiate the transfer would  
> >be helpful as well.  
>  
> "MD> Try the "man ftp" command if you are on a Unix system to read the FTP  
> "MD> manual pages.  
>  
>The reason I asked, is, of course, that I CAN'T do that. If I had  
>regular net access, I wouldn't be trying to get TCP/IP going over  
>Packet. I am attempting to route info/software via packet to/from  
>the Internet. Don't tell me I have to have access to get the files  
>so I can get access! I do have a couple of friends that can download  
>files, IF given precisely detailed instructions.  
>  
>Burt N5SYY  
>  
>... "Practicing the martial arts assures a long life." - Bruce Lee  
>\_\_\_ Blue Wave/QWK v2.12  
>

=====

Hey Bub, I'm not a mind reader. You asked for an anonymous FTP site. I thought I'd try to be helpful and I gave you that information. You didn't say what your situation was, what kind of computer you're using, what kind of access you had, etc.

So since you don't want me to tell you this or that or the other thing, I won't waste my time.

You conveniently truncated my reply to imply that I did not include the "simple instructions" you asked for. Here is the text that was

included in my original reply, which you will note are simple instructions on how to use FTP:

=====

>If possible, simple instructions on how to initiate the transfer would  
>be helpful as well.

ftp wg7j.ece.orst.edu  
will open an FTP connection to the specified host

you can issue a "?" to see the list of commands or "?,<command>" with  
no quotes or brackets to see a one-line description of <command>.

Use "cd" to change directories on the remote, "ls" or "dir"  
to get directory listings.

This one is a MUST for retrieving anything but simple text files --  
"binary" which sets binary mode (ascii is the default) and must be used  
for any compressed files, including .zip files.

To actually retrieve the file, use the "get" command:  
get xyz.zip  
assuming you have already set the current directory. Or, use the full  
path.

Then use exit or quit (I forget which) to close the connection and  
leave FTP.

=====

Looks to me like you should be all set. But go ahead and butt your head  
against the wall for a while more, maybe you'll learn how to read or  
better yet learn some manners.

BTW, putting some of what is on the Internet on the air waves could be  
illegal.

And I noticed you didn't say thanks for the reply. Don't bother.

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Date: 3 Oct 93 14:48:21 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: KPC-3 and HTX-202  
To: ham-digital@ucsd.edu

Jeff, N2TIQ, asks:

>> I just got a KPC-3 TNC. I need to make the cable between the radio  
>> and the TNC. I own a htx-202 from radio shack. Does anyone know the  
>> proper cabling between them? I have 2.2kOHM res and 3.9kOHM res and 0.1uf  
>> caps plus mono 3/32 mono plus, 1/8stero and 1/8 mono plugs. Can someone  
>> supply me with the proper circuit, tip/sleeve data?

The HTX-202 is the same as an ICOM IC-2AT with regard to wiring up a TNC. I don't have the diagram handy, but I do know you can purchase a cable already wired for a nominal price. MFJ makes them for several configurations, not limited just to MFJ-made TNCs. You can get them through HRO (which is where I got mine) or through anyone who carries MFJ products, or direct from MFJ.

-- //Steve// [KB6OJS]  
03-Oct-93, 10:49:32 ET

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/-----+-----\
| Steve Silverwood      | CompuServe: 76703,3035 |
| Computer Associates   | GENie: S.SILVERWOOD  |
| One Computer Associates Plaza | Internet: 76703.3035@compuserve.com |
| Islandia, NY 11788-7000 | FAX: (516)DIAL-FAX   |
|                       | Voice: (516)CALL-CAI |
\-----+-----/
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Date: Sun, 3 Oct 1993 15:54:44 GMT  
From: csus.edu!netcom.com!decastro@decwrl.dec.com  
Subject: Looking for PCMCIA radio  
To: ham-digital@ucsd.edu

Lok Liu <lll2c+@andrew.cmu.edu> writes:

>I hope this is the right place to post this message. Right now I am  
>working on a research project. But I run into trouble in finding the  
>components that I need. Does anyone know where I can find a PCMCIA two  
>ways radio or fax/data modem that consumes very little power? If you  
>do, can you tell me where I can find the specification on those parts.

I don't know of any 2-way radios, but there are MANY data/fax modems in PCMCIA format. BBrand names are Megahetz, Xircom, Practical Peripherals.

No PCMCIA I/O device consumes very little power. They all seem to be battery exercisers <g>

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=====

decastro@netcom.com

Richard A. De Castro

-----  
Date: 3 Oct 93 14:04:41 GMT  
From: paperboy.ids.net!anomaly.sbs.com!chowda.sbs@uunet.uu.net  
Subject: Looking for PCMCIA radio  
To: ham-digital@ucsd.edu

-> From: Lok Liu <ll2c+@andrew.cmu.edu>  
-> Newsgroups: rec.radio.amateur.digital.misc

-> components that I need. Does anyone know where I can find a PCMCIA t  
-> ways radio or fax/data modem that consumes very little power? If you

PCMCIA I assume. Fax/data modem is easy if you're talking about a  
standard telephone modem. There are several on the market, including a  
fairly nice one from MegaHertz. About \$500 for the 14.4 modem.

The two way PCMCIA radio might be a little tougher, although I believe  
Motorola makes a receive-only PCMCIA radio & modem designed to receive  
pages via a laptop. In fact I believe CC:Mail now has an interface for  
the modem.

-----  
Date: 01 Oct 1993 15:13:57 GMT  
From: elroy.jpl.nasa.gov!usc!sol.ctr.columbia.edu!hamblin.math.byu.edu!hamblin!  
emery@ames.arpa  
Subject: MacTCP radio driver?  
To: ham-digital@ucsd.edu

On Fri, 1 Oct 1993 03:33:19 GMT, ewing@cis.yale.edu (Martin Ewing) said:  
> Nntp-Posting-Host: capstan.secf.cis.yale.edu

> It seems that one approach to Macintosh tcp/ip radio would be to  
> do away with ka9q (Net/Mac, not the person :-) and use the standard  
> MacTCP network package that we use on Ethernet or LocalTalk. One  
> would need a driver to tell it about AX.25. After you had that, you  
> could use NCSA Telnet, and various other PD Mac packages.

This sounds like a good idea, but it would need to be modified so that you  
could receive mail. It would also need to have improved routing so that  
you could digipeat through various nodes. The way it is now, I believe that  
everything not on your subnet must be routed to one specific gateway whereas  
I might want to digipeat through someone else even if he is on my subnet.

> Has anyone done this or looked into it?

> 73,

> Martin Ewing, AA6E

> Yale Univerity, ewing-martin@yale.edu

Emery, KB7TER

-----  
Date: 3 Oct 93 11:20:41 -0500

From: sdd.hp.com!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!

usenet.ins.cwru.edu!ukma!nntp.memst.edu!kagoos@network.ucsd.edu

Subject: Memphis Hamfest & Delta Division Convention

To: ham-digital@ucsd.edu

MEMFEST 93  
October 9 - 10

The 34th Annual Greater Memphis Hamfest and Delta Division Convention will be held October 9th and 10th.

New Location: Shelby Show Place Arena  
105 Germantown Road South  
(901)756-7433

Hours: Saturday 9:00 am - 4:00 pm  
Sunday 9:00 am - 2:00 pm

Admission: \$5.00 per person (under 12 people)

Talk-in: Live 146.28/88 444.00/449.00 1272.00/1292.00  
Automated 146.22/82 224.42/222.82

Special Guest: George Wilson, W40YI; Dave Sumner K1ZZ; Larry Price W4RA;  
Joel Harrison, WB5IGF; Jay Maybe. NU0X

Forums: ARRL, MARS, ARES, RACES, VHF/UHF, YLRL, Antennas, Direction  
Finding, Packet and more.

Prizes: Among other prizes a Icom Dual Band Handheld will be given away  
every hour on the hour.

Hope to see you all in Memphis. If you need more info send me a msg.

Suresh N9GSA

----- Suresh Kagoo EE Dept , Memphis State University  
| \ / | / \ \ | | | | Engineering 211 | Domain: KAG00S@MEMSTVX1.MEMST.EDU  
| \ / | \ \ \ | | | | Memphis, TN 38152 | AMPR : n9gsa@gate.n9gsa.ampr.org  
|\_|\|\_| \ \ \ \ / \ \ \ \ / Ph: (901) 678-3867 | AX.25 : N9GSA@W4BS.#WESTN.TN.USA

-----  
Date: 1 Oct 93 21:26:25 GMT  
From: swrinde!dptspd!TAMUTS.TAMU.EDU!bloom-beacon.mit.edu!uhog.mit.edu!  
grapevine.lcs.mit.edu!olivea!nntp.msstate.edu!saimiri.primate.wisc.edu!caen!  
nigel.msen.com!yale.edu!newsserver.jvnc.net!news.cac.psu.edu!news.pop.psu.edu!  
ctc.com!pitt.edu!dsinc!spool.m  
Subject: Packet Monitoring  
To: ham-digital@ucsd.edu

>>>> On Wed, 29 Sep 1993 18:41:39 GMT, bischoff@freenet.scri.fsu.edu (Bill  
Bischoff) said:

> I am a newcomer to packet and want to start out just "reading the  
> mail" for a while. I am using the simple interface that Bill  
> Nolle sells and a AT class pc. My question is: can anyone  
> suggest some decent software I can use to first monitor and later,  
> once I get the hang of packet, to Tx as well?? I have PKTMON now  
> which allows pure monitoring but I'd like something simple (if  
> possible) which will TX too.

I am doing precisely that with PMP (Poor Man's Packet) and Baycom.  
Both require a slightly more sophisticated interface. Just connect to  
the LS or headphone output and leave PTT and TX connections loose.  
The PMP modem you have to build yourself, the Baycom modem you build  
yourself or buy in various low-cost commercial guises (Baypac is one  
?). Other software such as KA9Q aka NOS can also be used with the  
Baycom modem with appropriate drivers.

By the way, as the output of both is ordinary audio you can play  
around with the transmit functions to some extent by a back to back  
setup with two PC's or with a tape recorder. You can try all the  
"what if I ..."s you like !

As far as I can see, and I'm just learning too, there is nothing special  
about monitoring so any TNC hardware/software combination with a  
receiver or transceiver would do as long as you take appropriate steps  
to avoid triggering transmit.

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Mike Collinson  
Assistant Manager, Product Engineering Dept., UX Software Development Div.,

NEC Corporation, Daito Tamachi Building, 14-22 Shibaura 4-Chome,  
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Tel: +81-3-3456-7451

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Date: 4 Oct 93 03:59:26 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: PG/PB Archive Site?  
To: ham-digital@ucsd.edu

Does anybody know where I could obtain copies of this software for using the  
Microsats?

Thanks Tom KA6SOX

tking@oes.ca.gov

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Date: Sun, 3 Oct 1993 16:11:39 +0000  
From: news!demon!djwhome.demon.co.uk!david@uunet.uu.net  
Subject: Soundblaster (tm) for multi-mode digital communications  
To: ham-digital@ucsd.edu

In article <1993Sep29.184626.18738@brtph560.bnr.ca> cnc23a@b4pph13e.bnr.ca (Ken  
Edwards) writes:

>I recently saw an advertisement in QST of a software program that will  
>use the Soundblaster(tm) for SSTV decoding. I know of a public domain program  
>that uses the Soundblaster(tm) for DTMF decode. The VOICEBLASTER (tm) product  
>will do voice recognition.

There is also a program (FFTMORSE in the HAM directory on Simtel (RIP)  
mirrors) which will decode morse code. (One of my unfinished projects is  
an enhanced GCC compiled 32 bit version.) The original has problems with  
SB Pros (I could post my fix for it on the condition that I get feedback on  
whether it works - it reportedly does not always do so).

>This leads to a simple question : "Can the Soundblaster (tm) be programmed to  
>do all the 1200, 2400, 9600, afsk, psk, etc. TNC work, (Color) SSTV, WEFAX,  
>RTTY, CW, AMTOR, FAX, PACTOR, CCTSS, DTMF, etc. etc. work that a multi-mode  
>digital controller does ?"

The three critical parameters are sampling speed, quantisation noise and  
processor power. The SB-Pro can sample fast enough for any of these, and



the Pro 16 should have good enough quantisation. The processing power is a function of your CPU (the original FFTMORSE runs on 16 bit processors, but I would advise 32 bit ones). I am not familiar enough with DSP algorithms to be sure about the power required (although the FFTMORSE program does more processing than is strictly needed and runs on machines less powerful than my 25MHz 386 SX).

Telephones use 8 bit quantisation (7 and a bit in the US), but they use a logarithmic transfer function. I am not sure whether this is better or worse for digital modes (I have a suspicion that the SB's linear function may be better).

Telephones use 8kHz sampling rates, which should be enough for lower speeds (up to 1200). The higher speed modes (I only have details for 9600) are not the same as those used over a telephone and need a faster sampling rate. The theoretical ideal for the two state codes used is the bit rate, but a more realistic rate would be a little over twice the bit rate, thus the 22kHz sampling rate on the SB might just be enough. I suspect that an even faster rate would make the software simpler; could a DSP expert please comment.

Incidentally, CW is probably more difficult than the lower speed digital modes. The problem is that, when the signal is fading and there may be long pauses, it is difficult to choose a threshold level to distinguish between key up and key down. The low speed modes provide a continuous audio signal. The higher speed modes are normally used over clean channels.

--

David Woolley, London, England

david@djwhome.demon.co.uk

-----  
Date: 4 Oct 1993 05:00:21 GMT  
From: dog.ee.lbl.gov!agate!spool.mu.edu!umn.edu!gaia.ucs.orst.edu!  
skyking.oce.orst.edu!stanley@network.ucsd.edu  
Subject: WWV clock wanted  
To: ham-digital@ucsd.edu

In article <28koeu\$jq1@darkstar.ucsc.edu>,  
Darrell Long <darrell@cse.ucsc.edu> wrote:

>At one time Heathkit (which I understand is demised, if not and you have  
>their number send it tome) sold a "Most Accurate Clock" which was as WWV  
>receiver with RS-232 output. I need to get something like that for a  
>research project I am working on.

>

>Radio Shack is no help (blank stares mostly), nothing in Edmund Scientific,  
>etc... I'll drive over to Quement today to see if they have anything.

>

>If you know where I could find such a thing, please drop me a note.

Odetics, Precision Time Division, Anaheim CA. Model UTS-10.

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End of Ham-Digital Digest V93 #63

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